

# Comparisons of Job Characteristics

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Compliance Officers (13-1041)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 64

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Compliance Officers (13-1041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Law and Government	5.9	13.2	13.5	0 Current knowledge level may be sufficient
Customer and Personal Service	11.3	12.4	11.9	0 Current knowledge level may be sufficient
Clerical	7.3	11.6	8.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 79

**Focus Occupation:** Environmental Scientists and Specialists, Including Health (19-2041)

**Associated Occupation:** Compliance Officers (13-1041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Reading Comprehension	10.7	14.1	16.1	> Skill level is likely sufficient
Speaking	10.8	14.1	14.6	0 Current skill level may be sufficient
Active Listening	11.0	14.0	13.9	0 Current skill level may be sufficient
Critical Thinking	10.8	13.9	14.1	0 Current skill level may be sufficient
Writing	9.2	12.9	14.4	> Skill level is likely sufficient
Judgment and Decision Making	9.4	12.0	13.1	0 Current skill level may be sufficient
Social Perceptiveness	9.1	11.8	9.4	< A higher skill level may be required
Negotiation	6.8	9.0	6.4	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 96			
Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041) Associated Occupation: Compliance Officers (13-1041)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Written Comprehension	11.0	14.6	16.3	>	Current ability level is likely sufficient
Written Expression	9.8	13.9	14.4	0	Current ability level may be sufficient
Problem Sensitivity	11.1	13.5	15.8	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	13.4	15.1	>	Current ability level is likely sufficient
Inductive Reasoning	10.2	13.3	16.5	>	Current ability level is likely sufficient
Near Vision	11.1	12.8	12.3	0	Current ability level may be sufficient
Information Ordering	9.9	12.4	12.9	0	Current ability level may be sufficient
Speech Recognition	9.9	12.2	11.4	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.4	11.6	>	Current ability level is likely sufficient
Speed of Closure	5.9	8.6	8.1	0	Current ability level may be sufficient
Memorization	5.6	7.6	7.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 75
Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041) Associated Occupation: Compliance Officers (13-1041)		
Work Activities	Exclusivity of Activity	
Analyze ecosystem data	69	
Collect samples for testing	58	
Collect statistical data	47	
Communicate technical information	4	
Conduct field research or investigative studies	52	
Confer with engineering, technical or manufacturing personnel	25	
Develop policies, procedures, methods, or standards	21	
Direct and coordinate activities of workers or staff	3	
Enforce laws, ordinances, or regulations	66	
Ensure compliance with government regulations	76	
Explain government laws or regulations	68	
Explain rules, policies or regulations	48	
Inspect facilities or equipment for regulatory compliance	51	
Make presentations	13	

Plan scientific research or investigative studies	48
Prepare reports	8
Prepare safety reports	60
Prepare sample for laboratory testing, analysis, or microscopy	74
Prepare technical reports or related documentation	22
Recognize public safety hazards	68
Recommend action to ensure compliance	73
Record test results, test procedures, or inspection data	48
Use government regulations	44
Use hazardous disposal techniques	80
Use hazardous materials information	35
Use interviewing procedures	23
Use knowledge of environmental laws and regulations	76
Use knowledge of investigation techniques	16
Use pollution control techniques	62

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 83

**Focus Occupation: Environmental Scientists and Specialists, Including Health (19-2041)**  
**Associated Occupation: Compliance Officers (13-1041)**

Tools and Technologies	Exclusivity
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Chemical evaluation instruments and supplies	10
Chromatographic measuring instruments and accessories	16
Computer data input devices	2
Computer printers	2
Computers	1
Content authoring and editing software	1
Content management software	6
Data management and query software	1
Duplicating machines	6
Electrochemical measuring instruments and accessories	9
Gas analyzers and monitors	10
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Light and wave generating and measuring equipment	4
Liquid and gas flow measuring and observing instruments	15
Liquid and solid and elemental analyzers	19
Network applications software	1

Non destructive examination equipment	13
Personal communication devices	2
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Transducers	23
Water treatment and supply equipment	21

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.